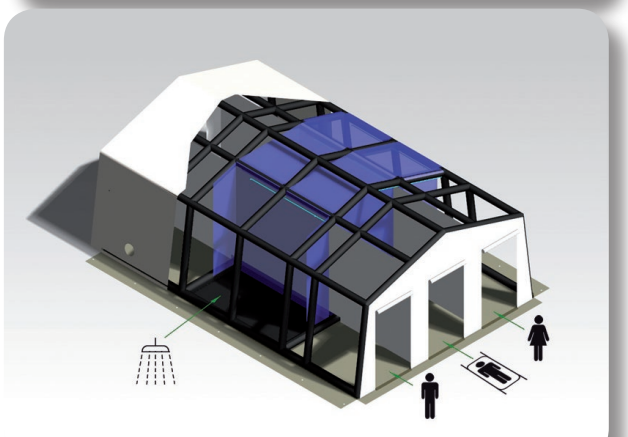
Emergency Pneumatics.

Operating Instructions

VETTER Pneumatic Decon Tents



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1. Important preliminary remarks

These instructions must be read carefully and complied with at all times to ensure this product is used properly and as intended, to ensure this product provides the greatest possible benefit, and that the entitlements within the scope of the Vetter warranty are preserved.

Each use/operation of the pneumatic universal tent requires detailed knowledge and compliance of these instructions.

The operating instructions given here are to be regarded as part of the product and are to be kept for the complete life duration of the product. In case the product should be passed on to a successive user then the operating instructions must also be included

2. Description of the product

2.1 Scope of delivery

Article No.	Description	PZ 17 Decon 2 L (1520047000)	PZ 40 3 L (1520035500)
1520034500	Tent frame PZ 40 3 L incl. tension rope		X
1520046600	Tent frame PZ 17 Decon 2 L	X	
1520034600	Tent floor PZ 40 3 L		X
1520046400	Tent floor PZ 17 Decon 2 L	X	
1520034800	Tent cover PZ 40 3 L		X
1520046800	Tent cover PZ 17 Decon 2 L	X	
1520034900	2 x Entry covers type PZ 40 3 L with 3 doors		X
1520046900	2 x Entry covers type PZ 17 Decon 2 L with 2 doors	X	
1520035000	2 x Separation wall, longitudinal PZ 40 3 L		X
1520046500	Separation wall for PZ 17 Decon 2 L	X	
1520034700	Collection tub for PZ 40 3 L		X
1520046300	Collection tub for PZ 17 Decon 2 L	X	
1520035300	Shower hose PZ 40 3 L		X
1520046700	Shower hose PZ 17 Decon 2 L	X	
1520035100	Shower cover type PZ 40 3 L left/right		X
1520035200	Shower cover type PZ 40 3 L centre		X
1520031100	2 x Shower cover type PZ 17 Decon 2 L	X	
1510014700	Decon hand shower	4 X	12 X
1520000500	Packing bag (110 x 85 x 60 cm)	X	
1520011500	Packing bag (110 x 85 x 85 cm)		X
1520002400	18 x Square earthing pins	X	
1520033500	24 x iron tent pegs, 30 cm		X
1520028301	Repair material	X	X
1520002500	Bag, red, for tent pegs	X	
1523013900	Bag, red, for tent pegs		X
1523006800	Hammer	X	X

2.2 Optional accessories

Article No.	Description
1523003700	Valise for PZ 17 Decon 2 L, 265 x 150 cm (104 x 59 inch), yellow, Incl. auto belt latch
1523013300	Valise for PZ 40 3 L, 330 x 160 cm (130 x 63 inch), yellow, incl. auto belt latch

2.3 Correct handling and usage

Always use compressed air with the pneumatic decon tents - ever use flammable or aggressive gases. Only Vetter original fittings and parts may be used for the pneumatic decon tents.

2.4 Safety instructions

Only trained, reliable, and responsible employees are permitted to use and operate this product. Wear the required protective gear and clothing. Please contact the manufacturer or authorized retailer when detecting cracks, fissures, holes, or leakages on the pneumatic supporting frame during the product inspection. Such defects can lead to bursting. Always avoid contact with hot or sharp-edged materials.

Due to the light design of the pneumatic tents, it is possible that heavy winds may cause stability problems.

Always fasten tents with anchoring ropes or use ballast containers. Comply with DIN 7716 if storing the pneumatic universal tents long-term.

3. Preparing the product for use

3.1 Preparations for operation

Inspect the pneumatic decon tent before and after each operation to ensure correct and perfect condition. It is imperative that the recommended folding instructions be observed.

4. Operating Instructions

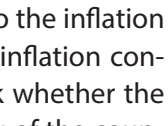
Open the packing cover. Lay out the tent at the required location. The ground area must be free of any sharp-edged or pointed objects! The decon tents are designed to be inflated with a blower or with compressed air.

4.1 Operation with blower

The inflation connection for blowers is opened when air flows through. Connect the inflation hose of the blower to the inflation connection of the tent. Unscrew the cap from the inflation connection in a counter-clockwise direction and check whether the valve is closed. Make certain there is perfect locking of the couplings of the inflation hose with the tent coupling and the blower.

Start the blower and fill the tent until the maximum permitted operating pressure. The medical tent erects automatically. The safety valve integrated into the support frame avoids over-inflation.

Note! Should parts of the support frame become caught up during erection then switch off the blower immediately and rectify the problem. Inflation can then be continued after doing this.



Replace the cap after filling and tighten it by turning it in a clockwise direction.

4.2 Operation with compressed air

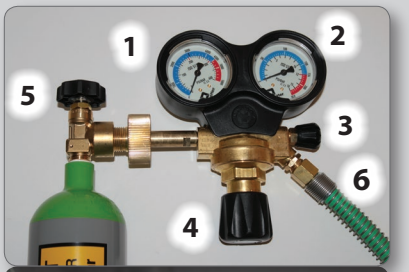
Connect the pressure regulator with the knurled wheel on the compressed air bottle. Close the hand wheel (3) of the pressure regulator. Open the valve on the bottle (5). The manometer (1) indicates the pressure in the bottle. Adjust the back-pressure to approximately 10 bar using the adjustment wheel (4). The set pressure can be checked on the back-pressure manometer (2). Connect the air hose of the pressure regulator (6) with the brass coupling (7) of the inflation connection. Open the pressure regulator and start inflation. Observe the shower during the inflation process. Close the hand valve when the max. operating pressure is reached.

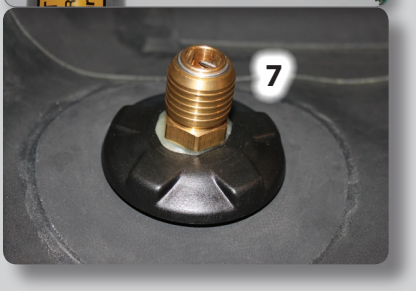
Attention!

- ✓ With the PZ 17 Decon 2 L you must ensure that the connection hose is correctly connected between the tent frame and the shower tub

Note! If, during erection of the tent, parts of the tent frame become caught up in the tent cover, then close the valve on the pressure regulator immediately and rectify the cause of the problem. After doing this, the inflation process can be continued.

e.g. Tent blower 0.23-0.47 bar (Art. no. 1523017700)





4.3 Use as decontamination tent

The water connection for the shower heads and the hand showers is positioned in the blue throughway opening and is a Storz Coupling Size D for water. The filling connection is positioned in the green throughway opening. Therefore this makes any confusion impossible with respect to the connections.

PZ 17 Decon 2 L:

The tent is subdivided by 1 longitudinal partition into two lines. There are two each doors in the entrance awnings to enable entering the lines separately. The two shower units in the middle of the tent divide the tent into the undressing, showering and dressing areas. The continuous collecting basin prevents fluid from transgressing into the rest of the tent. The showers with the shower cap create a self-contained unit. 2 each shower handsets (1) in the individual shower units provide optimal cleaning of the contaminated person.

PZ 40 3 L:

The tent is divided into three lines using two longitudinal separation walls. There are three doors in the entry covers in order to separately enter each of the lines. The three shower units in the centre of the tent divide the tent into three areas: clothe removal area, shower area and the dressing area. Continuous shower tubs stop any liquid overflow into the remaining area of the tent. The showers with the shower covers form an enclosed unit. Four hand showers (1) in the individual shower units ensure optimum decontamination of contaminated persons.

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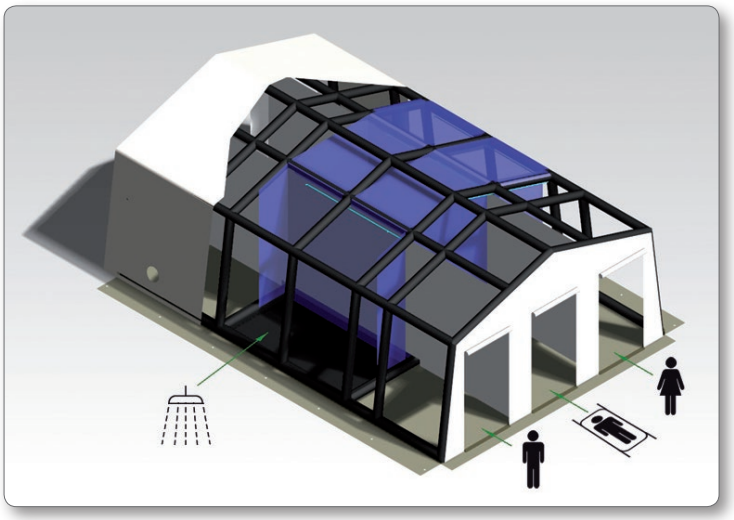
Vetter PZ 17 Decon 2 L

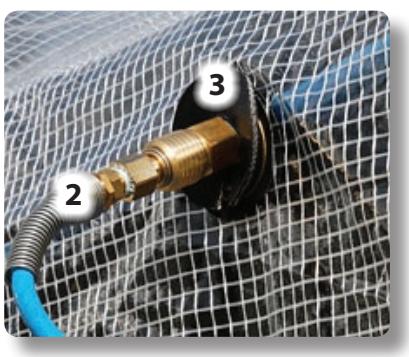
The Vetter decontamination path (PZ 40 3 L)

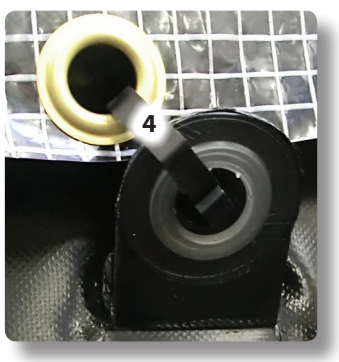


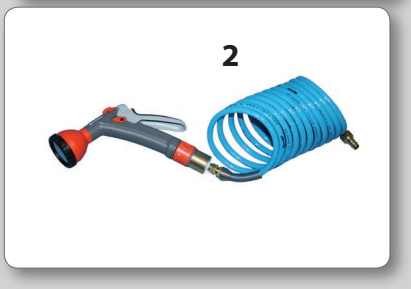
4.4 Instructions of the showers

The required amount of water can be regulated via the ball valve (1).

In order to change the shower curtains the hand showers (2) must firstly be uncoupled and the rubber washers (3) removed. The shower curtain can now be removed by separating the Velcro and pile fabric connections on the vertical support hose and unhooking the eyelets (4) on the insertion basin.



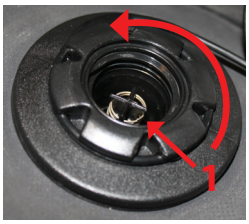




4.5 Deflation

The deflation of the support frame happens over the inflation connection. To deflate the tent, close the air source (compressed air cylinder, etc.) and disconnect the pressure reducer or the filling hose of the blower. The deflation valve is opened by pressing-in and turning the pin (1) counter clockwise.

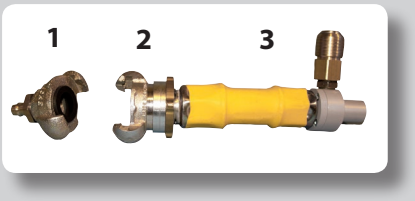
Pin before locking



Pressing-in + turning

Valve open

Fold the tent in the way, that the air can escape (Folding to the direction of the inflation connection). Any remaining air can be removed with a vacuum adaptor (Item No.: 1700018300) in combination with an construction-site compressor adaptor (Item No.: 1600012000).



Connect the construction-site compressor adaptor (1) to the coupling of the vacuum adaptor (2) and turn it interlocking. Then tighten the screwable part of t the vacuum adaptor. Now connect the construction-site compressor adaptor to the support frame. Attach the quick-action coupling (3) to the connection hose of the pressure regulator and open the hand valve of the pressure regulator slowly.

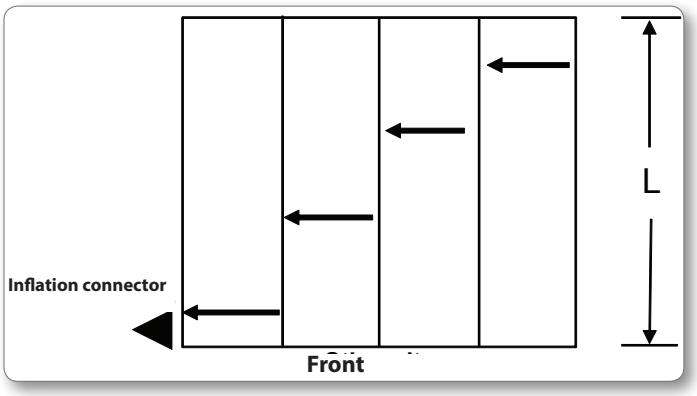
It is also possible to deflate the support frame with a blower with deflate function. Follow the operating instructions of the blower.

After deflation and before packing, the valve must be unlocked again in order to guarantee perfect inflation when it is next used!

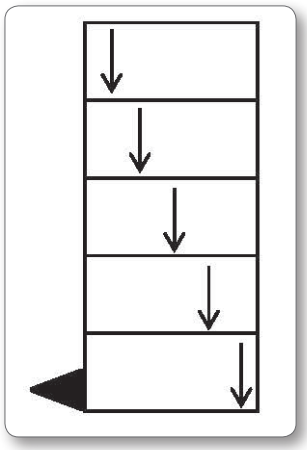
4.6 Folding Plan

Before repacking, the tent frame and the frame of the shower must be completely empty.

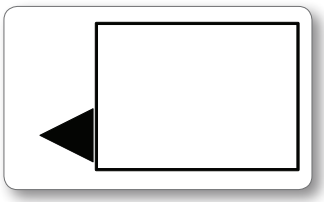
1. The front of the tent is folded lengthwise in four equal sections.



2. Then fold the tent five times in the direction of the inflation connector.



3. Now place the tent into the carrying bag.



5. Practical Tips

- ✓ The individual separating walls, floor tarps, as well as the tent tarpaulins are removed easily and quickly if and as needed. Hook and loop fasteners are used to attach the tarpaulin to the pneumatic supporting frame.
- ✓ When using tent heaters, avoid blowing heat directly onto parts of the tent.
- ✓ If needed, lights can be suspended from the supporting frame.
- ✓ Additional tents are easily connected using hook and loop overlaps.
- ✓ After use, clean the tent with a mild cleanser before packing. Allow the parts to dry at normal room temperature. Treat outer surfaces with commercially available impregnating agents.
- ✓ Follow the instructions of the folding plan to fold and pack the tent. Make sure that the tent is folded and packed in an orderly manner and as instructed to ensure the tent is easy to unpack next time it is needed.

6. Repeated Inspections

The tents should be subjected to a visual and functional inspection by a trained technician at least once a year. This requires inflating the tent to approx. 50 % of the max. working pressure (0.25 bar). Check all pressurized parts for fissures, cracks, cuts, puncture holes, detached spots, and heat or chemical damage. If the pressure does not experience a significant drop within one hour, the tent is ready for use.

Please contact the manufacturer in case of larger damage or if you have any questions. Comply with DIN 7716 if storing the pneumatic universal tents long-term.

7. Repair Instructions

Minor damage such as cracks, cuts, or punctures (max. 4 cm) can be repaired by the operator with the enclosed repair kit. Please follow these steps:

1. Select the size of the patch so that the patch extends approx. 4 cm beyond the damaged area on all sides.
2. Mark patch area on the supporting frame.
3. Roughen the area of the patch on the surface of the supporting frame as well as one side of the patch.
4. Apply a thin layer of the special adhesive to the roughened spot on the supporting frame and the roughened side of the patch.
5. Allow special adhesive to dry for approx. 10-15 minutes until no longer sticky.

6. Press patch firmly onto the pretreated area of the supporting frame and smooth out.
7. Allow unpressurized supporting frame to rest for at least 48 hours.

Only the factory is able to repair damage that is more extensive.

A trained technician must check the tent and its supporting frame for leaks after the repairs.

8. Technical data

Type		PZ 17 Decon 2 L	PZ 40 3 L *
Article No. (Set)		1520047000	1520035500
Size outside (L x W x H)	m	4.9 x 3.86 x 2.48	8 x 5.5 x 3.1
	ft.	16 x 13 x 8	26 x 18 x 10
Size inside (L x W x H)	m	4.9 x 3.5 x 2.3	8 x 5.1 x 2.9
	ft.	16 x 12 x 8	26 x 16 x 9
Working pressure	bar	0.5	0.5
	psi	7.25	7.25
Test pressure	bar	0.65	0.65
	psi	9.4	9.4
Nominal capacity	l	1,776	4,576
	cu. ft.	62.72	161.6
Air requirement	l	2,664	6,863
	cu. ft.	94.1	242
Inflation time ca.	sec	60	300
Pack size (L x W x H)	m	1.1 x 0.85 x 0.6	1.1 x 0.85 x 0.85
	ft.	3 x 2 x 1	3 x 2 x 2
Weight	kg	105	204
	lbs	231	450

* Also available as a 40 m^2 tent with 2 lines. PZ 40 2 L (1520048900)

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Place your trust in emergency pneumatics!

We are the company who can help you, find a solution to your problem!

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